

RealVideo 9

Delivering the Highest Quality Video at the Lowest Bitrate

RealNetworks® RealVideo 9 delivers unparalleled quality from narrowband to broadband and HDTV. By providing dramatically improved compression over previous generation technologies, RealVideo 9 reduces bandwidth costs while enabling high-quality, rich media experiences — at any bitrate and on any device.

RealVideo 9 is fully supported throughout the world's most popular universal digital distribution system: Helix™ Producer from RealNetworks for high quality, efficient encoding, Helix DRM from RealNetworks for rights management and tamper resistant, renewable security, Helix Universal Servers and Helix Universal Gateways for worldwide quality distribution of digital media, and the RealOne™ Player and Helix DNA Client for the ultimate digital media playback experience.

RealVideo 9 — Key Features

Improved Compression Efficiency

- Better quality at less than half the bitrate of MPEG-2
- Better quality at half the bitrate of MPEG-4
- 30% improved compression efficiency over RealVideo 8
- 50% improvement over RealVideo G2
- Now fit approximately 10-15 full-length movies on a DVD; approximately 2 movies on a CD¹

DVD & VHS Quality for Broadband Users

- Full screen near DVD video quality starting at 400Kbps
- VHS video quality starting at 160Kbps
- Quarter screen video starting at 34Kbps — twice the size with better quality than current modem bit rate video

HDTV Ready - Home Theater Experience to Today's Streaming Consumers

- Support for all HDTV formats and resolutions
- Enhanced interlaced support, providing 60 fields per second² playback on TVs
- RealVideo 9 with RealAudio® Surround delivers multi-channel audio for an authentic movie experience
- DVD navigation and contextual support via RealOne Player and SMIL 2.0 standard

1. For purposes of calculation, assumptions are: Average movie length is 90 minutes; average DVD bitrate size is 500 kbps.

2. A field is a set of even or odd lines in a frame.

Cross Platform

- Available for playback in multiple environments via Helix DNA Client
- Optimized for Intel® Pentium® 4, StrongARM, and XScale™ Technology platforms and AltiVec™ for the Macintosh
- Other optimizations for device ready platforms available

RealAudio Surround

Included with RealVideo 9 is RealAudio Surround, which provides a Home Theatre Experience for streaming or local media playback. RealAudio Surround preserves the multi-channel surround audio embedded in conventional surround sound audio. Millions of new and existing receivers in homes today can immediately take advantage of this technology and consumers can begin experiencing RealAudio Surround today.

- RealAudio Surround starting at just 44Kbps
- Already supported by RealOne Player and RealPlayer 8
- Supports matrix-encoded content (e.g., Dolby Surround or CircleSurround) content

Learn More

To learn more about RealVideo, RealAudio, and the Helix product suite, please visit our web site at: **<http://www.realnetworks.com>**. To speak to a RealNetworks representative call **1-800-444-8011**, or email **sales@real.com**. To learn more about the Helix DNA Client technology, please visit the Helix community at **www.helixcommunity.org**